

## ABSTRACT

[0075] A method and instrument to irradiate a light adjustable lens, for example, inside a human eye, with an appropriate amount of radiation in an appropriate intensity pattern by first measuring aberrations in the optical system containing the lens; aligning a source of the modifying radiation so as to impinge the radiation onto the lens in a pattern that will null the aberrations. The quantity of the impinging radiation is controlled by controlling the intensity and duration of the irradiation. The pattern is controlled and monitored while the lens is irradiated.

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